

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
26 May 2005 (26.05.2005)

PCT

(10) International Publication Number
WO 2005/047753 A1

(51) International Patent Classification⁷: **F16L 37/098**

(21) International Application Number:
PCT/SE2004/001595

(22) International Filing Date:
4 November 2004 (04.11.2004)

(25) Filing Language: Swedish

(26) Publication Language: English

(30) Priority Data:
0303016-0 14 November 2003 (14.11.2003) SE

(71) Applicant (for all designated States except US): **ABA OF SWEDEN AB** [SE/SE]; Box 100, S-334 00 Anderstorp (SE).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **RYHMAN, Morgan** [SE/SE]; Nygatan 11, S-334 33 Anderstorp (SE).

(74) Agent: **AWAPATENT AB**; Box 11394, S-404 28 Göteborg (SE).

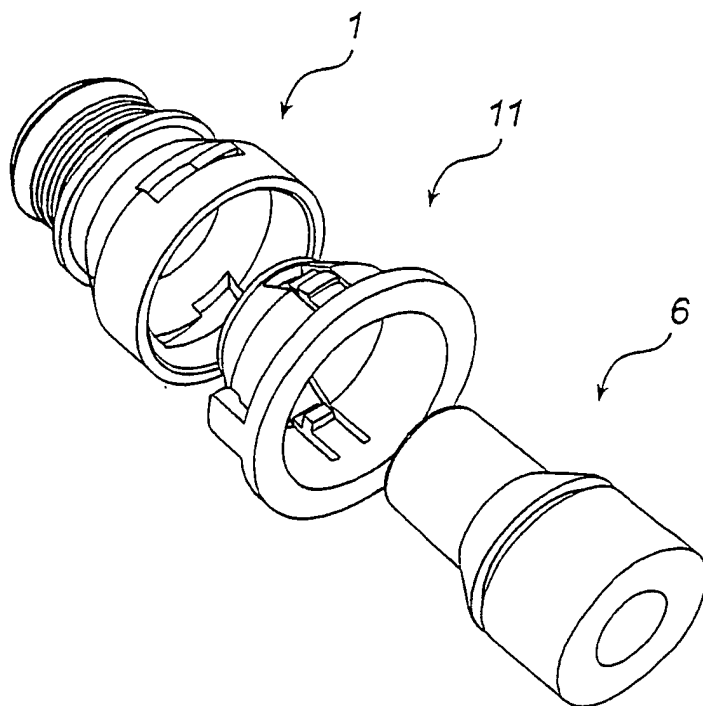
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— with international search report

[Continued on next page]

(54) Title: A DEVICE FOR CONNECTING TWO RIGID TUBULAR OBJECTS COMPRISING A MALE PART AND A FEMALE PART



(57) Abstract: A device for connecting two rigid tubular objects comprises a male part (6) and a female part (1). The female part (1) consists of a sleeve (2) which at one of its ends is provided with a recess (3, 4). The male part (6) consists of a tube portion which at one of its ends (7) is provided with a transverse edge (8) which is formed by an indentation arranged in the outer wall, of the male part. A sleeve-shaped element (11) is arranged to be placed between the parts when inserting the male part (6) into the female part (1). The element (11) is provided with a resilient tongue (12, 13) with a first means (14, 15) which, during insertion of the element (11) into the female part (1), resiliently engages the recess (3, 4) thereof and a second means (16, 17), which during insertion of the male part (6) into the element (11), resiliently snaps into place behind the transverse edge (8) of the male part (6). The resilient tongue (12, 13) allows separation of the female part (1) and the male part (6) by turning of the element (11) relative to the male part (6) to a position where the second means (16, 17) of the resilient tongue (12, 13) is arranged radially outside the transverse edge (8) of the male part. The resilient tongue (12, 13) is, in turning for separation, with a portion (9) in the recess (3, 4) of the female part (1) raised radially outside the transverse edge (8) of the male part

WO 2005/047753 A1



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.